Performance Data Sheet

AJA2425AXA

General Information

Model	AJA2425AXA	**Refrigerant**	R-12
Test Condition	ASHRAE	**Performance Test Voltage**	115V ~ 60HZ
Return Gas	32.2°C (90°F) RETURN GAS	**Motor Type**	CSIR

Performance Information

Evap Temp (°F)	Condensing Temperature (°F)							
		80	**90**	**100**	**110**	**120**	**130**	**140**
-40	Btu/h	818	774	686	564	423	275	133
	Watts	693	504	396	346	334	336	333
	Amps							
	Lb/h		0.69	6.10	7.56	6.57	4.60	3.13
-35	Btu/h	1180	1150	1060	944	801	647	495
	Watts	736	553	449	402	392	396	393
	Amps							
	Lb/h		7.86	13.0	14.3	13.0	10.8	9.02
-30	Btu/h	1540	1510	1430	1320	1170	1010	852
	Watts	773	595	496	454	446	452	450
	Amps							
	Lb/h	4.29	14.7	19.7	20.7	19.3	16.8	14.7
-25	Btu/h	1890	1870	1800	1690	1540	1380	1210
	Watts	805	634	540	502	497	505	504
	Amps							
	Lb/h	11.1	21.4	26.2	27.0	25.4	22.6	20.4
-20	Btu/h	2240	2240	2170	2060	1910	1740	1570
	Watts	834	669	581	547	546	557	557
	Amps							
	Lb/h	17.8	28.0	32.6	33.3	31.4	28.5	26.0
-15	Btu/h	2600	2610	2550	2440	2290	2120	1930
	Watts	861	703	621	592	595	609	610
	Amps							
	Lb/h	24.5	34.5	39.1	39.6	37.5	34.4	31.8
-10	Btu/h	2970	2990	2930	2830	2680	2510	2320
	Watts	888	737	661	638	645	662	666
	Amps							
	Lb/h	31.2	41.2	45.6	46.0	43.8	40.5	37.7
-5	Btu/h	3350	3380	3340	3240	3090	2910	2710
	Watts	915	773	703	685	697	717	724
	Amps							
	Lb/h	38.1	47.9	52.3	52.6	50.3	46.9	43.9

0	Btu/h	3760	3800	3760	3660	3520	3340	3140
	Watts	945	811	748	736	753	778	787
	Amps							
	Lb/h	45.2	55.0	59.3	59.5	57.1	53.6	50.5
5	Btu/h	4180	4230	4210	4120	3980	3790	3580
	Watts	979	853	798	792	815	843	856
	Amps							
	Lb/h	52.6	62.4	66.7	66.8	64.4	60.8	57.6
10	Btu/h	4640	4700	4690	4600	4460	4280	4060
	Watts	1020	900	853	855	883	916	932
	Amps							
	Lb/h	60.4	70.3	74.5	74.6	72.1	68.5	65.2

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	-7.530212E+02	7.231755E+03	0.000000E+00	-4.111358E+02
C2	3.702088E+01	-1.438953E+01	0.000000E+00	1.378385E+00
C3	1.182437E+02	-1.625291E+02	0.000000E+00	1.167563E+01
C4	4.033810E-01	1.621757E-02	0.000000E+00	2.832604E-03
C5	8.605449E-01	3.415245E-01	0.000000E+00	2.199457E-03
C6	-9.433606E-01	1.339008E+00	0.000000E+00	-9.439079E-02
C7	6.250000E-03	1.875000E-03	0.000000E+00	1.229167E-04
C8	9.995240E-04	7.402081E-04	0.000000E+00	4.681696E-05
C9	-3.607162E-03	-1.034321E-03	0.000000E+00	-1.646840E-05
C10	2.122652E-03	-3.620703E-03	0.000000E+00	2.467660E-04

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature